

12

(sirenomelia) 1

=ABSTRACT=

A Case of Sirenomelia Diagnosed at 12 Gestational Weeks

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Sirenomelia, characterised by a complete or incomplete fusion of the lower extremities, is a severe form of caudal defect affecting 1.5-4.2 in 100,000 births. Most cases of sirenomelia die within 5 days after birth and are associated with abnormalities such as renal agenesis, urinary tract agenesis, single umbilical artery, etc. Third trimester ultrasonographic diagnosis is usually impaired by severe oligohydramnios whereas the amount of amniotic fluid may be sufficient to allow diagnosis in the early second trimester. We report a case of sirenomelia at 12 weeks of gestation using prenatal transvaginal ultrasonography.

Key words : Sirenomelia, Oligohydramnios, Transvaginal ultrasonography

(sirenomelia) (caudal regre-
ssion syndrome, CRS) : 1-0-0-0
2-4 가 5 8
vanishing twin, 214 (fetal
tachycardia) (Fig. 1) 12
5 가 (acrania), (sireno-
melia)
12 1 (Fig. 2a, Fig. 2b).
49kg,
12 cm, 170
: 0 , 30
가 : 가
13 , 7 , 28

: 2000. 10. 10.

Fig. 1. Transvaginal sonogram demonstrating vanishing twin and fetal tachycardia (214 bpm) at 8 gestational weeks.

laminaria sulprostone
1999 3 4 80gm
270gm, 2.5cm
16cm ,
200cc
2
: 80gm (sex)
7cm, (acrania)
2 2
, Unipus(5 toes)
가 (Fig. 3).

Fig. 2. a) Transvaginal sonogram showing acrania of fetus at 12 gestational weeks.

b) Fetal limb at 12 weeks' gestation showing fused extremities indicatives of sirenomelia.

(sirenomelia)
, , , ,
, (imperforated anus),
(CRS)
가 , ,
가 ,
(umbilical
artery)
1838 Geoffery St. Hilaire가

1898 Ballantyne

가 .¹⁻⁵ 1927 Kampmeier 5
2 4
가 .⁶
8
(caudal embryogenic element)
Duhamel (caudal mesoderm)
.^{7,8} Stevenson
sirenomelia